CLAIMS

1.   A gas turbine engine nose cone comprising a spinner having a generally tapering upstream portion and a generally cylindrical base portion, the cylindrical base portion having a flange removably connected to a fan hub of the gas turbine engine, a tapering fairing surrounding the base portion of the spinner, the outer surface of the fairing forms a continuation of the outer surface of the tapering upstream portion of the spinner, a circumferentially extending fibrous material extending around the upstream end of the fairing, the outer surface of the fairing having a skin to protect the fairing from erosion, the skin extending around the upstream end of the fairing and being infiltrated into the fibrous material to form a composite material and to bond the skin to the upstream end of the fairing.

2.   A gas turbine engine nose cone as claimed in claim 1 wherein the skin comprises polyurethane.

3.   A gas turbine engine nose cone as claimed in claim 1 wherein the circumferentially extending fibrous material comprises woven fibres or knitted fibres.

4.   A gas turbine engine nose cone as claimed in claim 1 wherein a radially inner portion of the circumferentially extending fibrous material locates in an annular groove on the radially inner surface of the upstream end of the fairing.

5.   A gas turbine engine nose cone as claimed in claim 4 wherein the circumferentially extending fibrous material is bonded to the upstream end of the fairing.

6.   A gas turbine engine nose cone as claimed in claim 1 wherein the fairing comprises a fibre-reinforced material.

7.   A gas turbine engine nose cone as claimed in claim 1 wherein the spinner comprises a fibre-reinforced material.

8.   A gas turbine engine nose cone as claimed in claim 1 wherein a radially inner portion of the skin locates in the

annular groove on the radially inner surface of the upstream end
of the fairing.

9.   A gas turbine engine nose cone as claimed in claim 1
wherein the fibrous material comprises glass fibres or polyester
fibres.